

Former Plainwell Impoundment Time-Critical Removal Action Weekly Construction Update

Progress Report #77 January 12, 2009

Work Completed: December 18 – January 7, 2008

- Completed solidifying soil and sediment at Staging Areas 4N.
- Continued loading and transporting solidified soil/sediment material from Staging Area 4N to Allied Waste's C&C Landfill and Ottawa County Farms Landfill.
- Continued removing soil and sediment from Removal Area 13A.
- Continued loading and transporting TSCA soil/ sediment material from Removal Area 13A to EQ's Wayne Disposal facility.
- Continued decommissioning the WCS, including installation of an access bridge to facilitate removal of steel sheeting, and removal of associated scour protection measures.
- Began decommissioning activities at Staging Area 4N, including decontamination/ demobilization of the pug mill. In addition, excavation, loading, transportation, and disposal activities began on the aggregate layer located above the flexible membrane liner.
- Began removal of the Phase 2 Cofferdam structure.
- Due to the holiday season, all site activities were suspended on 12/24/08, 12/25/08, 01/01/09 and 01/02/09.

Estimated Weekly Volume Hauled to TSCA and Non-TSCA Landfill Facilities				
Date	Estimated Quantity TSCA-material (cubic yards)	Number of Truck Loads TSCA-material	Estimated Quantity Non-TSCA material (cubic yards)	Number of Truck Loads Non-TSCA material
Weekly Total	1,225	35	2,800	80
2008 Total	17,290	494	68,600	1,960
Project Total to Date	20,300	580	104,615	2,989

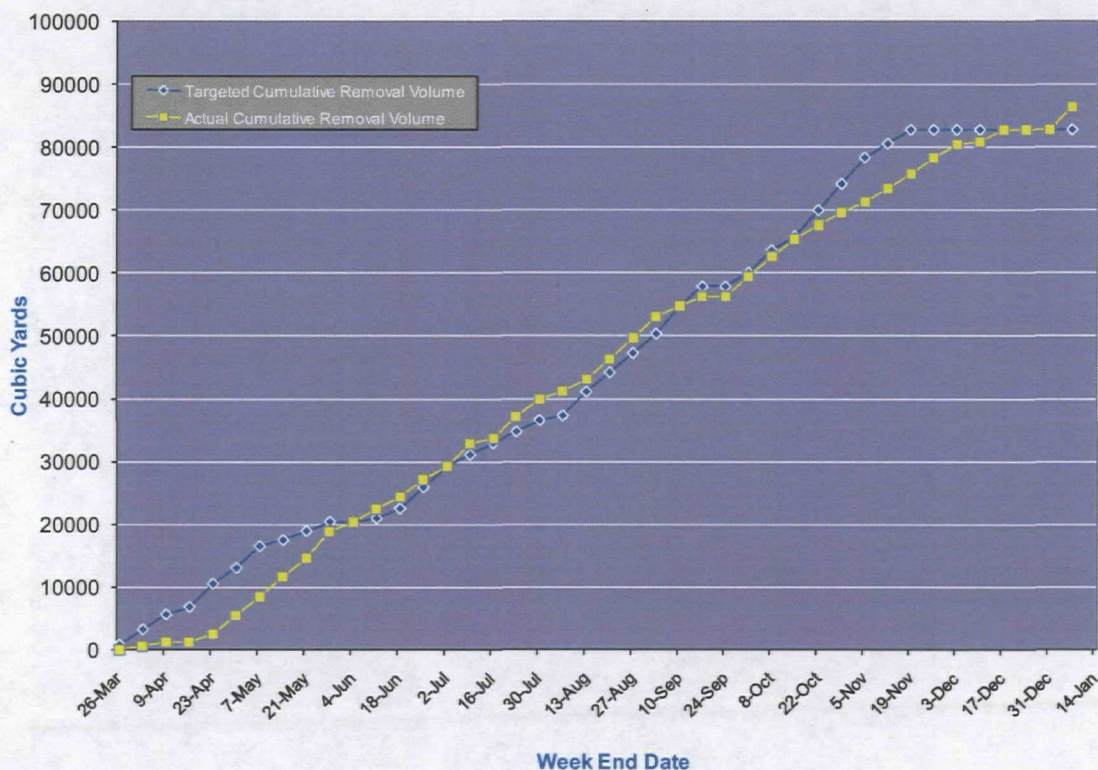
Note: All values are unofficial, estimated quantities, subject to revision/verification.



Work Planned: January 8 – January 14, 2009

- Complete excavating soil and sediment from Removal Area 13A.
- Complete loading and transporting TSCA soil/ sediment material from Removal Area 13A to EQ's Wayne Disposal facility.
- Continue decommissioning activities at Staging Area 4N.
- Continue loading and transporting construction materials associated with decommissioning activities from Staging Area 4N to Allied Waste's C&C Landfill and Ottawa County Farms Landfill.
- Continue decommissioning the WCS, including removing remaining steel sheeting.
- Continue removing the Phase 2 Cofferdam.

Removal Progress



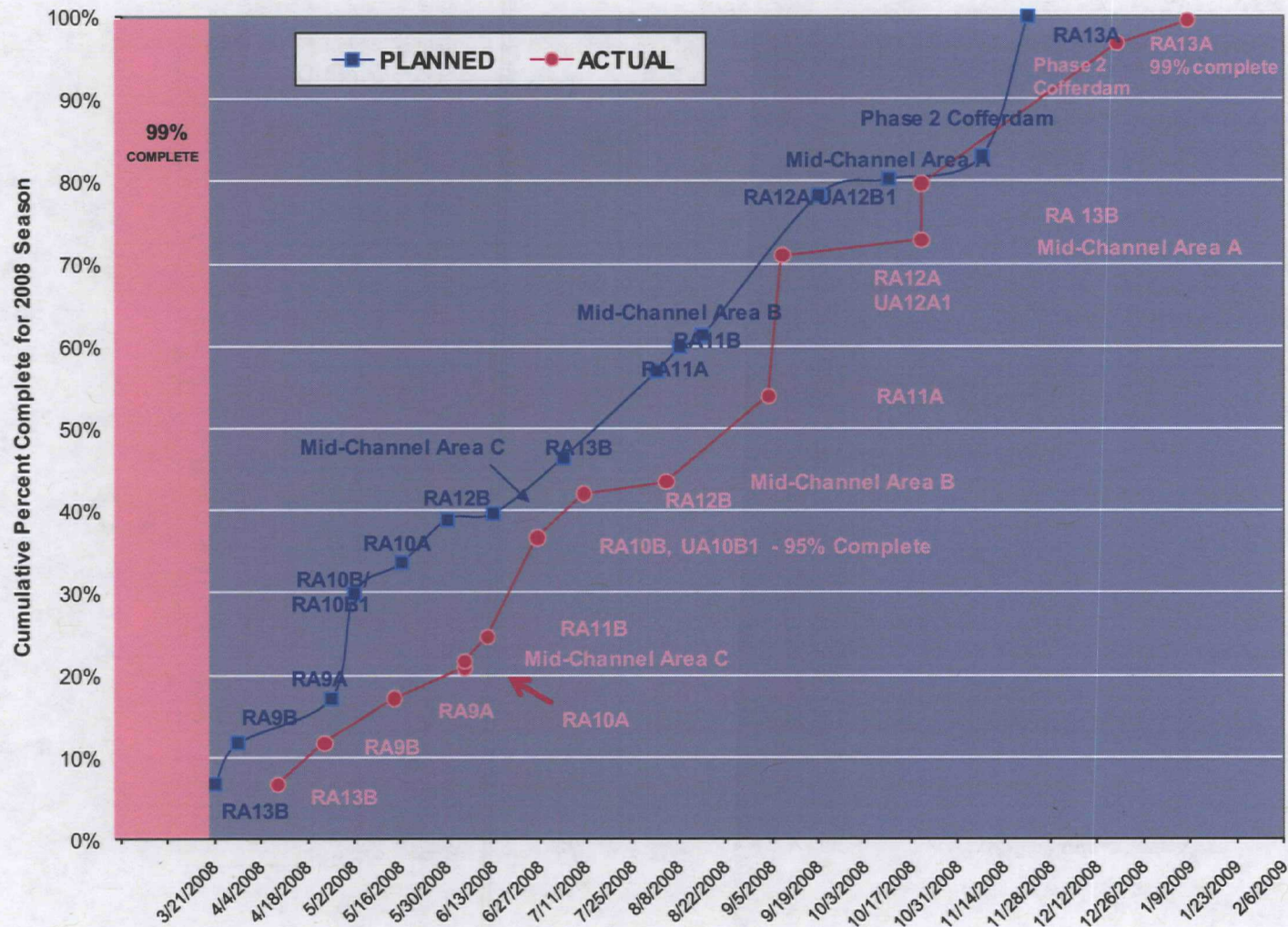
Notes:

Targeted volumes are neat and subject to change due to additional excavation done at request of USEPA.

Actual volumes removed below the targeted volumes potentially due to the conservative estimation methodology used to develop targeted figures and due to the actual topographic conditions encountered at the site, which could result in smaller volumes needing to be removed than originally estimated. The targeted volumes have been increased by 10% to account for additional material that could be removed as a result of over-excavation and additional removal in response to confirmation sampling. Soil/sediment removal activities are on schedule based on the ARCADIS BBL ES 4/30/07 Plainwell TCRA Construction Schedule.

In Plainwell Weekly Construction Reports published between July 14 and October 13, 2008 (Reports #55 through #67), this graph incorrectly depicted the cumulative removal volume. During that period, the incremental increase added each week reflected only additional TSCA material removed, rather than total volume removed to date. Beginning with Report #68 on October 20, 2008 this Removal Progress graph now correctly displays total cumulative volume removed in the 2008 construction season.

Removal Progress



Notes:

For Areas where removal is less than 100% complete, the data point shown is an estimate based on area and volume considerations.

'Complete' is defined as removal of all targeted materials as detailed in the Plainwell TCRA Design Report.

Health & Safety Update

- 6 Loss Prevention Observations (LPOs) were completed during this period.
A total of 281 LPOs have been completed for the project to date.

Weather Summary

- All site activities were suspended on 12/19/08 due to heavy snow.

Environmental Monitoring and Construction Quality Assurance Testing

Resuspension/Turbidity Monitoring:

Testing Performed this Week? No ☐ Yes ☒
Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

Dewatering System Discharge Monitoring:

Discharge Flow: 99,656 gallons
Testing Performed this Week? No ☐ Yes ☒
Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

Excavation Verification Sampling:

Testing Performed this Week? No ☐ Yes ☒
Cleanup Standard Achieved? N/A ☐ Yes ☒ No ☐ If no, explain: Additional soil was excavated from a soil grid in Removal Area 13A. Confirmation samples were collected, and the cleanup standard was achieved.

Issues Encountered/Solutions Advanced

- None

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Equipment on Site – December 18 - 24

Equipment	12/18/08	12/19/08	12/20/08	12/21/08	12/22/08	12/23/08	12/24/08
Komatsu PC-300 Excavator	1	1	1	1	1	1	1
Komatsu PC-300 HD Long Reach	1	1	1	1	1	1	1
Komatsu PC-400 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	1	1	1	1	1	1	1
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	-	-	-	-	-	-	-
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	-	-	-	-	-	-	-
Hitachi 270 Excavator(King)	-	-	1	-	-	-	-
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
FAVCO 40-ton Crane	1	1	1	1	1	1	1
40' Self Propelled Work Barge	-	-	-	-	-	-	-
American 80-ton Crane (King)	1	1	1	1	1	1	1
2,000 Gallon Water Truck	1	1	1	1	1	1	1
Smooth Drum Roller	-	-	-	-	-	-	-
John Deere Skidsteer	1	1	1	1	1	1	1
Vermeer Chipper	-	-	-	-	-	-	-
Komatsu 400 Articulating Dump Truck	1	1	1	1	1	1	1

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Equipment on Site – December 25 - 31

Equipment	12/25/08	12/26/08	12/27/08	12/28/08	12/29/08	12/30/08	12/31/08
Komatsu PC-300 Excavator	1	1	1	1	1	1	1
Komatsu PC-300 HD Long Reach	1	1	1	1	1	1	1
Komatsu PC-400 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	1	1	1	1	1	1	1
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	-	-	-	-	-	-	-
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	-	-	-	-	-	-	-
Hitachi 270 Excavator(King)	-	-	1	-	-	-	-
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
FAVCO 40-ton Crane	1	1	1	1	1	1	1
40' Self Propelled Work Barge	-	-	-	-	-	-	-
American 80-ton Crane (King)	1	1	1	1	1	1	1
2,000 Gallon Water Truck	1	1	1	1	1	1	1
Smooth Drum Roller	-	-	-	-	-	-	-
John Deere Skidsteer	1	1	1	1	1	1	1
Vermeer Chipper	-	-	-	-	-	-	-
Komatsu 400 Articulating Dump Truck	1	1	1	1	1	1	1

Equipment on Site – January 1 - 7

Equipment	1/1/09	1/2/09	1/3/09	1/4/09	1/5/09	1/6/09	1/7/09
Komatsu PC-300 Excavator	1	1	1	1	1	1	1
Komatsu PC-300 HD Long Reach	1	1	1	1	1	1	1
Komatsu PC-400 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	1	1	1	1	1	1	1
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	-	-	-	-	-	-	-
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	-	-	-	-	-	-	-
Hitachi 270 Excavator(King)	-	-	1	-	-	-	-
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
FAVCO 40-ton Crane	1	1	1	1	1	1	1
40' Self Propelled Work Barge	-	-	-	-	-	-	-
American 80-ton Crane (King)	1	1	1	1	1	1	1
2,000 Gallon Water Truck	1	1	1	1	1	1	1
Smooth Drum Roller	-	-	-	-	-	-	-
John Deere Skidsteer	1	1	1	1	1	1	1
Vermeer Chipper	-	-	-	-	-	-	-
Komatsu 400 Articulating Dump Truck	1	1	1	1	1	1	1

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Personnel, Regulatory Staff, and Visitors on Site December 18 - 24

Individual/Affiliation	12/18/08	12/19/08	12/20/08	12/21/08	12/22/08	12/23/08	12/24/08
Terra Contracting Staff	15		6		15	15	
Jim Saric/USEPA							
Charles Roth/USEPA							
Sam Borries/USEPA							
Mike Ribordy/USEPA OSC							
Karl Gustavson/US ARMY ERDC							
Paul Bucholtz/MDEQ							
Judith Gapp/MDEQ							
Todd Goeks/NOAA							
John Lerg/MDNR							
Sharon Hanshue/MDNR							
Lisa Williams/USFWS							
Weston Contractors	X						
CDM Contractors							
Chase Fortenberry/KRSG							
Mark Brown/KRSG							
David Guier/KRSG							
Gary Griffin/KRSG							
Chuck Barnes/ARCADIS							
Steve Garbaciak/ARCADIS							
Anthony Esposito/ARCADIS							
Mike Erickson/ARCADIS							
Scott Harcus/ARCADIS							
Matt Bowman/ARCADIS							
EJ Suardini/ARCADIS	X						
Mike Kohagen/ARCADIS	X	X				X	
Michelle Rumler/ARCADIS	X	X			X	X	
Joe Willoughby/ARCADIS	X		X		X	X	
Chad Van Coillie/ARCADIS							
Nick Harmer/ARCADIS							
MDEQ Sample Team							
<i>Other Subcontractors (Specify)</i>							
King Co.	6				6	6	
JF New							

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Personnel, Regulatory Staff, and Visitors on Site – December 25 - 31

Individual/Affiliation	12/25/08	12/26/08	12/27/08	12/28/08	12/29/08	12/30/08	12/31/08
Terra Contracting Staff		15	6		15	15	15
Jim Saric/USEPA							
Charles Roth/USEPA							
Sam Borries/USEPA							
Mike Ribordy/USEPA OSC							
Karl Gustavson/US ARMY ERDC							
Paul Bucholtz/MDEQ							
Judith Gapp/MDEQ							
Todd Goeks/NOAA							
John Lerg/MDNR					X		
Sharon Hanshue/MDNR							
Lisa Williams/USFWS							
Weston Contractors							
CDM Contractors							
Chase Fortenberry/KRSG							
Mark Brown/KRSG							
David Guier/KRSG							
Gary Griffin/KRSG							
Chuck Barnes/ARCADIS							
Steve Garbaciak/ARCADIS							
Anthony Esposito/ARCADIS							
Mike Erickson/ARCADIS							
Scott Marcus/ARCADIS							
Matt Bowman/ARCADIS							
EJ Suardini/ARCADIS							
Mike Kohagen/ARCADIS					X	X	
Michelle Rumler/ARCADIS		X			X	X	
Joe Willoughby/ARCADIS		X	X		X	X	X
Chad Van Coillie/ARCADIS							
Nick Harmer/ARCADIS							
MDEQ Sample Team							
Other Subcontractors (Specify)							
King Co.			3		6	6	
JF New							

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Personnel, Regulatory Staff, and Visitors on Site – January 1 – 7, 2009

Individual/Affiliation	1/01/09	1/2/09	1/3/09	1/4/09	1/5/09	1/6/09	1/7/09
Terra Contracting Staff					12	12	12
Jim Saric/USEPA							
Charles Roth/USEPA							
Sam Borries/USEPA							X
Mike Ribordy/USEPA OSC							
Karl Gustavson/US ARMY ERDC							
Paul Bucholtz/MDEQ							
Judith Gapp/MDEQ							
Todd Goeks/NOAA							
John Lerg/MDNR							
Sharon Hanshue/MDNR							
Lisa Williams/USFWS							
Weston Contractors					X	X	X
CDM Contractors							
Chase Fortenberry/KRSG							
Mark Brown/KRSG							
David Guier/KRSG							
Gary Griffin/KRSG							
Chuck Barnes/ARCADIS							
Steve Garbaciak/ARCADIS							
Anthony Esposito/ARCADIS							
Mike Erickson/ARCADIS							
Scott Harcus/ARCADIS							
Matt Bowman/ARCADIS							
EJ Suardini/ARCADIS							
Mike Kohagen/ARCADIS		X			X	X	X
Michelle Rumler/ARCADIS		X			X	X	X
Joe Willoughby/ARCADIS		X	X		X	X	X
Tom O'Rourke/ARCADIS							X
Nick Harmer/ARCADIS							
MDEQ Sample Team							
Other Subcontractors (Specify)							
King Co.		6	5		6	6	6
JF New							

Photos from December 18, 2008 – January 7, 2009



Demobilizing steel beams from the Phase 2 Cofferdam temporary access bridge.



Removing steel sheeting from the Phase 2 Cofferdam.

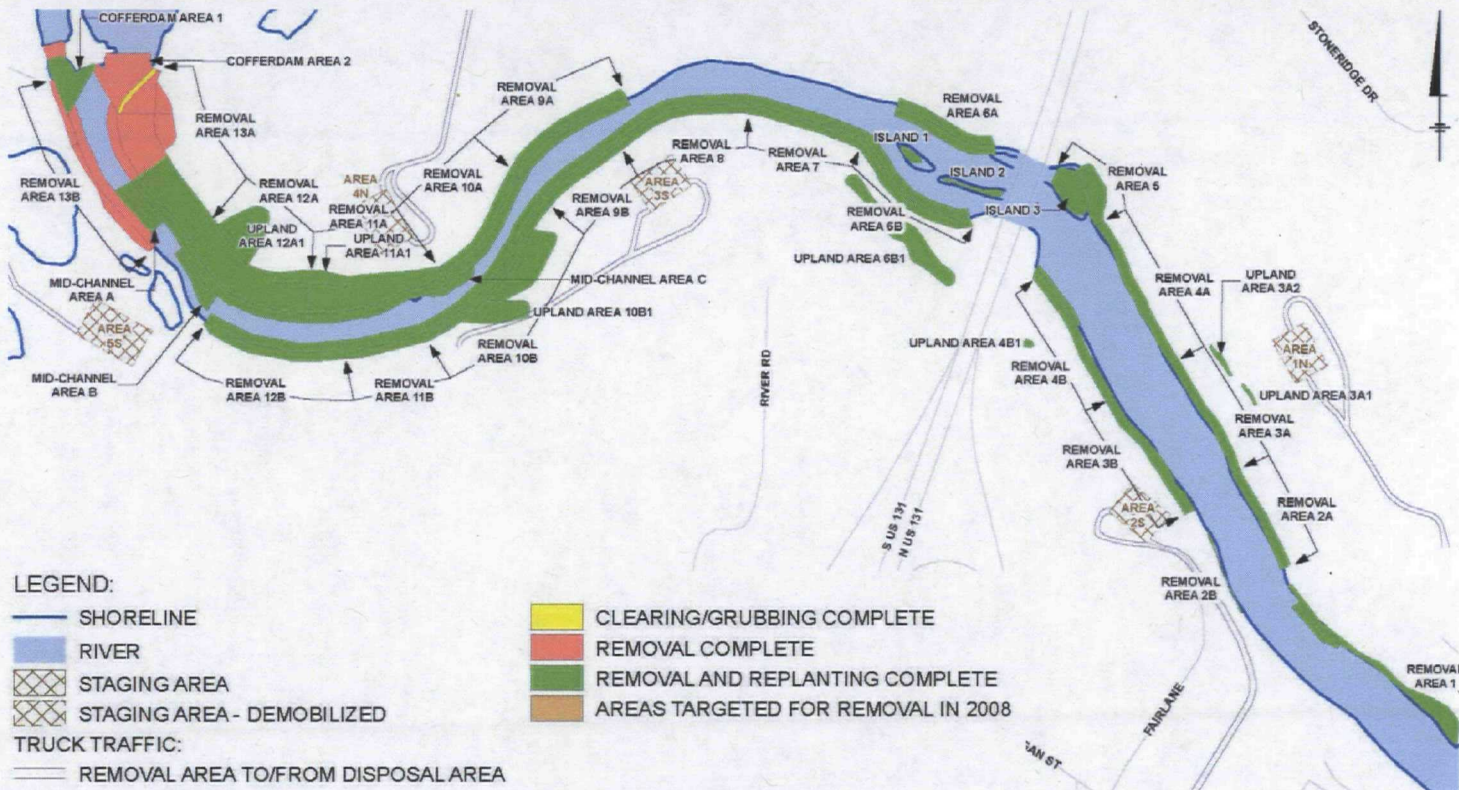


Loading solidified soil/sediment from Staging Area 4N for disposal offsite.



Developing equipment access to facilitate WCS cutoff wall steel sheeting removal.

Targeted Removal Areas – Former Plainwell Impoundment



Notes:

All dimensions and features represented on this map are approximate. Actual locations of access roads and staging areas and final boundaries of removal areas will be determined at the time of construction.